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COMPLETE LISTING OF CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (currently amended) A process for producing a graphite article, comprising forming a laminate comprising a plurality of flexible graphite sheets which comprise graphene layers; and directionally aligning the graphene layers of the laminate by the application of pressure effected after the formation of the laminate from the plurality of flexible graphite sheets.

Claims 2-6 (canceled)

7. (withdrawn) A laminate produced in accordance with the process of claim 1.

Claims 8-9 (canceled)

- 10. (withdrawn) A thermal solution comprising a plurality of flexible graphite sheets laminated into a unitary article, wherein the thermal anisotropic ratio of the article is at least about 70.
- 11. (withdrawn) The thermal solution of claim 10 wherein the thermal anisotropic ratio of the article is at least about 160.

- 12. (withdrawn) The thermal solution of claim 10 wherein the laminate is formed by laminating flexible sheets of compressed particles of exfoliated graphite with a suitable adhesive.
- 13. (withdrawn) The thermal solution of claim 12 wherein the adhesive comprises a pressure sensitive or thermally activated adhesive.
- 14. (withdrawn) The thermal solution of claim 10 which comprises a heat sink.
- 15. (withdrawn) The thermal solution of claim 10 which comprises a heat spreader.
- 16. (previously presented) The process according to claim 5 wherein said density of said laminate comprises greater than 1.4 g/cc.
- 17. (previously presented) The process according to claim 1 wherein said directionally aligning the graphene layers of the laminate comprises increasing a density of the laminate from the range of 1.1 g/cc to 1.35 g/cc to greater than 1.4 g/cc.

Claims 18-21 (canceled)

- 22. (currently amended) The process according to claim 20 1 wherein said applying pressure comprises calendering said plurality of flexible graphite sheets.
- 23. (canceled)
- 24. (previously presented) A process of producing a graphite article comprising forming a plurality of graphite sheets into a laminate and applying a sufficient amount of pressure to said laminate to directionally align at least one graphene layer of said laminate.
- 25. (previously presented) The process according to claim 24 wherein an initial density of said laminate prior to said applying pressure comprises 1.1 g/cc to 1.35 g/cc and a final density of said laminate comprises more than about 1.4 g/cc.
- 26. (previously presented) The process according to claim 24 wherein said applying pressure comprises calendering said laminate.
- 27. (previously presented) The process according to claim 24 wherein said applying pressure comprises pressing said laminate.
- 28. (previously presented) The process according to claim 24 wherein said sufficient amount of pressure comprises at least 60 MPa.

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29. (currently amended) The process according to claim 20 1 wherein said sufficient amount of pressure comprises at least 60 MPa.